



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

Print

PO No	Supplier	Line No	Item No	Rel	Terms	Purchased Item	Description	For Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Tot
P0039558	MCM001-VU	3			1	Net 30	MT-O1-R0 125				12	4/12/2018	12	S060422	Stock	4/12/2018	\$ 1.01 / ft	0		\$12
Total:											12	12								\$12

Plex 4/12/2018 11:20 AM Dart Dubois, Pascal

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-01-R0.125 DATE: APR 12 2018
 MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 12
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: 0
 THICKNESS ORDERED: 0.125
 THICKNESS RECEIVED: 0.125
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A
 PO / BATCH NO.: 039558 / Sdc00422

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
HRC	HRB	DUR A	DUR D	WEBSTER
RECORD RESULTS BELOW				
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS SIGNED OFF BY: _____

DATE: 9-89 APR 12 2018

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.09	WM	WM

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI O1 TOOL STEEL ROUND BAR

SPECIFICATION:

DIN 1.2510 or B.S. BO 1 or
SAE J437 or SAE J438
or UNS T31501 or ASTM A681

PART NUMBER:

MT-O1-R [D.DDD]
WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = MT-O1-R0.625

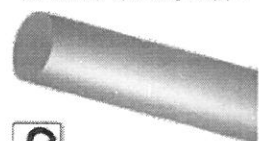
EN 17/49

 DART AEROSPACE <small>Hemel Hempstead, Herts, UK</small>	
TITLE AISI O1 TOOL STEEL ROUND BAR	
DESIGN BY: WM 8/31/2017 DRAWN BY: WM 8/31/2017 CHECKED: SCS 8/31/2017 QA APPR: DP 09/12/2017 APPROVED: WM 09/12/2017 DATE: 8/31/2017	REV A 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 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493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 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1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409

Tool Steel

For information about steel, see page 3794.

Tight-Tolerance Multipurpose O1 Tool Steel Rods



- Yield Strength 50,000 psi
- Hardness: Rockwell B90 (Medium)
- Heat Treatable: Yes
- Max. Hardness after Heat Treatment
- Inch sizes: Rockwell C65
- Metric sizes: Rockwell C62
- Specifications Met: ASTM A681

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These precision-ground rods have a tight diameter tolerance. Commonly used for dies, punches, and gauges. O1 tool steel is an oil-hardening material that resists wear and abrasion.

Dia.	Dia. Tolerance	Temper Rating	Mechanical Finish	1 ft. Lg.	3 ft. Lg.	6 ft. Lg.
0.0625"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K115	\$1.93	\$3.51
0.063"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K117	1.71	3.11
0.066"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K118	1.84	3.35
0.069"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K119	2.03	3.69
0.072"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K121	2.29	4.17
0.075"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K122	2.47	4.49
0.0782"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K123	2.66	4.83
0.0782"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K125	2.84	5.16
0.079"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K126	2.74	4.99
0.081"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K127	2.85	5.19
0.085"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K128	3.10	5.63
0.088"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K129	3.43	6.23
0.092"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K131	3.71	6.75
0.0928"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K133	2.25	4.09
0.095"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K134	2.01	3.65
0.097"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K135	2.05	3.73
0.099"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K136	2.24	4.08
0.101"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K137	2.31	4.20
0.103"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K138	2.40	4.37
0.106"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K139	2.49	4.53
0.108"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K141	2.66	4.83
0.1094"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K143	2.84	5.16
0.11"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K144	2.71	4.93
0.112"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K145	2.83	5.15
0.115"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K146	2.93	5.32
0.12"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K147	3.28	5.96
0.125"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K148	3.34	6.07
0.127"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K149	2.71	4.93
0.134"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K151	2.93	5.32
0.139"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K152	3.28	5.96
0.1406"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K153	3.40	6.18
0.143"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K154	3.43	6.23
0.148"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K155	3.51	6.39
0.148"	-0.0005" to 0.0005"	Softened (Annealed)	Precision Ground	8893K156	3.69	6.71

Product Detail

Tight-Tolerance Multipurpose O1 Tool Steel Rod, 0.1250" Diameter

Guidelines for Heat Treating Tool Steel

Length, ft.

3

Each

ADD TO ORDER